| LINURON | GROUP | 5 | HERBICIDE |
|---|---|---|---|

# SYNEX™ 4L

**Contains linuron, the active ingredient used in Linex® 4L Herbicide.**

| **ACTIVE INGREDIENT:** | **(% by weight)** |
|---|---|
| Linuron 3-(3, 4-dichlorophenyl)-1-methoxy-1-methylurea | 40.6% |
| **OTHER INGREDIENTS:** | 59.4% |
| **TOTAL** | 100.0% |

Contains 4 lbs. of Linuron per gallon.

**EPA Reg. No.: 91234-323**

## KEEP OUT OF REACH OF CHILDREN

# CAUTION

**Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.**
**(If you do not understand the label, find someone to explain it to you in detail.)**

See below for additional Precautionary Statements.



| FIRST AID | |
|---|---|
| **If swallowed:** | • Call a poison control center or doctor immediately for treatment advice.<br>• Have person sip a glass of water if able to swallow.<br>• Do not induce vomiting unless told to do so by the poison control center or doctor.<br>• Do not give anything by mouth to an unconscious person. |
| **If on skin or clothing:** | • Take off contaminated clothing.<br>• Rinse skin immediately with plenty of water for 15-20 minutes.<br>• Call a poison control center or doctor for treatment advice. |
| **If in eyes:** | • Hold eye open and rinse slowly and gently with water for 15-20 minutes.<br>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.<br>• Call a poison control center or doctor for treatment advice. |
| **HOT LINE NUMBER** | |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at **1-844-685-9173** for emergency medical treatment information. | |

**For Chemical Emergency: Spill, Leak, Fire, Exposure, or Accident,**
**Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

**Synex™ 4 L** is not manufactured, or distributed by NovaSource, Tessenderlo Kerley, Inc., seller of Linex® 4L Herbicide.

Atticus

Manufactured for:
**Atticus, LLC**
940 NW Cary Parkway, Suite 200
Cary, NC 27513

# PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

## PERSONAL PROTECTIVE EQUIPMENT

**Mixers and loaders must wear:**

- Coveralls over long-sleeved shirt and long pants.
- Chemical resistant footwear.
- Chemical resistant gloves made of, barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, and viton ≥ 14 mils.

**Applicators and other handlers (other than mixers and loaders) must wear:**

- Coveralls over long-sleeved shirt and long pants.
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, and viton ≥ 14 mils.
- Shoes plus socks.

**FOR CHEMIGATION APPLICATIONS TO POTATO AND SORGHUM, mixers and loaders must use:**

- Closed liquid mixing/loading systems.

Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**FOR CHEMIGATION APPLICATIONS TO BULB, mixers and loaders must also:**

- Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH approved powered air purifying respirator with HE filters.

## ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d) (4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

## USER SAFETY RECOMMENDATIONS

**USERS SHOULD:**

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water when cleaning of equipment or disposing of equipment washwater and rinsate.



**Ground Water Advisory:**
This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**Surface Water Advisory:**
Linuron may contaminate surface water through spray drift or under certain conditions from surface runoff into adjacent surface water bodies (ponds, lakes, streams, etc.). For several weeks post-application, linuron has a high potential to runoff when applied to fields with any of the following conditions: sloping land draining into nearby surface waters; very poorly to somewhat poorly drained soils; areas with extremely shallow ground water; frequently flooded areas; fields with surface water canals or ditches; and highly erodible land cultivated with poor management practices.

**Non-Target Organism Advisory:**
This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

## PHYSICAL-CHEMICAL HAZARDS

Do not mix or allow contact with Oxidizing agents as a Hazardous Chemical reaction may occur.

# DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.



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## WEED RESISTANCE MANAGEMENT

For resistance management, please note that **Synex 4 L** is a Group 5 herbicide. Any weed population may contain or develop plants naturally resistant to **Synex 4 L** and any other Group 5 herbicides. Weed species with acquired resistance to Group 5 herbicides may eventually dominate the weed population if Group 5 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of these species by **Synex 4 L** or other Group 5 herbicides. Users should scout before and after application.

Suspected herbicide-resistant weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

To delay herbicide resistance:

- Avoid the consecutive use of **Synex 4 L** or other target site of action Group 5 herbicides that might have a similar target site of action, on the same weed species.
- Use tank mixtures or premixes with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action and are both effective at the tank mix or prepack rate on the weed(s) of concern (an herbicide mode of action classification by itself may not adequately address specific weeds that are resistant to specific herbicides).
- Base herbicide use on a comprehensive Integrated Pest Management (IPM) program.
- Scout fields prior to application to identify the weed species present and their growth state to determine if the intended application will be effective.
- Contact your local extension specialist, certified crop advisors and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

Report any incidence of non-performance of this product against a particular weed species to your Atticus, LLC representative. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemicals means to remove escapes, as practical, with the goal of preventing further seed production.

## INTEGRATED PEST MANAGEMENT

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170.
This Standard contains requirements for protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Workers Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure



## MANDATORY SPRAY DRIFT MANAGEMENT

**Ground Boom Applications:**

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.3).
- Do not apply when wind speeds exceed 10 mph at the application site.
- Do not apply during temperature inversions.

**Boomless Ground Applications:**

- Applicators are required to use a Medium or coarser droplet size (ASABE S572.1) for all applications.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

## SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

## IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications
are made improperly or under unfavorable environmental conditions.

**Controlling Droplet Size – Ground Boom**

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure – Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle – Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

## BOOM HEIGHT- Ground Boom
For ground equipment, the boom should remain level with the crop and have minimal bounce.

## SHIELDED SPRAYERS
Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

## TEMPERATURE AND HUMIDITY
When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

## TEMPERATURE INVERSIONS
Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates and inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

## WIND
Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

**Boomless Ground Applications:**
Setting nozzles at the lowest effective height will help reduce the potential for spray drift.

## PRODUCT INFORMATION
**Synex 4 L** is a liquid herbicide to be mixed in water and applied as a spray for selective control of weeds on certain crops. It is non-corrosive to equipment, non-flammable and non-volatile.

**Synex 4 L** may be applied to soil prior to emergence of weeds to control susceptible weed seedlings for an extended period of time; the degree of control and duration of effect will vary with the amount of chemical applied, soil texture, rainfall and other conditions. Soils high in clay or organic matter require higher dosages than soil low in clay or organic matter to obtain equivalent herbicide performance. Moisture is required to activate the chemical; best results occur if rainfall (or irrigation) occurs within 2 weeks of application. In the Columbia River Basin, use **Synex 4 L** only if the crop is sprinkler irrigated.

**Synex 4 L** may also be used to control emerged weeds. Results vary with rate applied and environmental conditions; best results are obtained on succulent weeds growing under conditions of high humidity and temperatures of 70°F or higher. Addition of a surfactant to the spray (where recommended) increases contact effects of **Synex 4 L** .

Since the effect of **Synex 4 L** varies with soil, uniformity of application and environmental conditions, it is suggested that growers limit their first use to small areas. Observe all precautions and limitations on labeling of all products used in mixtures.

## GRASSES AND BROADLEAF WEEDS CONTROLLED BY SYNEX 4 L PREEMERGENCE USE (Germinating Weeds) -
**Synex 4 L** at full specified rates provides good to excellent control of annual weeds as they germinate including:



**Broadleaf Weeds**
Amaranth, Palmer *Amaranthus palmeri*
Carpetweed *Mollugo verticillata*
Chickweed, Common *Stellaria media*
Dog Fennel (Mayweed Chamomile) *Anthemis cotula*
Galinsoga *Galinsoga* sp.
Nettleleaf Goosefoot *Chenopodium murale*
Lambsquarters *Chenopodium album*
Mustard, Tumble *Sisymbrium altissimum*
Mustard, Blue *Chorispora tenella*
Mustard, Wallflower (Treacle) *Erysimum cheiranthoides*
Pigweed, Prostrate *Amaranthus blitoides*
Pigweed, Redroot *Amaranthus retroflexus*
Pigweed, Smooth *Amaranthus hybridus*
Prickley Lettuce *Lactuca serriola*
Purslane, Common *Portulaca oleracea*
Radish, Wild *Raphanus raphanistrum*
Ragweed, Common *Ambrosia artemisiifolia*
Shepherd's-purse *Capsella bursa-pastoris*
Smartweed, Pennsylvania *Polygonum pensylvanicum*
Tansymustard, Pinnate *Descurainia pinnata*
Waterhemp, Common *Amaranthus rudis*
Waterhemp *Amarathus tuberculatis*

**Grasses**
Barnyardgrass (Watergrass) *Echinochloa crus-galli*
Canarygrass *Phalaris canariensis*
Large Crabgrass *Digitaria sanguinalis*
Green Foxtail *Setaria viridis*
Yellow Foxtail *Setaria glauca*
Goosegrass *Eleusine indica*
Fall Panicum *Panicum dichotomiflorum*

**Synex 4 L** will provide partial control (suppression) of the following hard-to-control weeds:
Annual Morningglories only - see *Ipomoea* spp.
Entire Leaf Morningglory *Ipomoea hederacea*
Ivy Leaf Morningglory *Ipomoea hederacea*
Pitted Morningglory *Ipomoea ipola & I. lacunosa*
Cocklebur, Common *Xanthium strumarium*
Dayflower, Common (Asiatic) *Commelina communis*
Eastern Black Nightshade *Solanum ptychanthum*
Florida Beggarweed *Desmodium tortuosum*
Florida Pusley (Florida Purslane) *Richardia scabra*
Giant Foxtail *Setaria faberi*
Kochia *Kochia scoparia*
Prickly Sida (Teaweed) *Sida spinosa*
Ragweed, Giant *Ambrosia trifidia*
Sicklepod *Cassia obtusifolia*
Smooth Crabgrass *Digitaria ischaemum*
Velvetleaf (Buttonweed) *Abutilon theophrasti*
Waterhemp, Common *Amaranthus rudis*



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The lower dosage rates are effective on the lighter soils and the higher rates on heavier soils and on the more difficult to control broadleaf weeds and grasses. Sufficient moisture of 0.5 to 1 inch on moist soils; 1 to 2 inches on dry soils, in the form of rainfall or sprinkler irrigation is necessary after treatment to carry chemical into the root zone of germinating weeds; best results are obtained when this occurs within 2 weeks after application.

A good seed bed must be prepared before application of **Synex 4 L** as crop injury may result if application is made to ground which is cloddy or compacted resulting in improperly planted seed. Plant seed to depth specified. Surface of the soil should not be cultivated or disturbed after application of **Synex 4 L** and before emergence of the crop as weed control may be reduced and crop injury may result. However, if moisture is insufficient to activate the herbicide, a shallow cultivation (rotary hoe preferred) should be made after emergence of row crops while weeds are small enough to be controlled by mechanical means.

**POSTEMERGENCE OR BURNDOWN USE Synex 4 L** will control up to 2 inch grasses and up to 6 inch broadleaves. For best results, apply to seedling grasses and broadleaves.

**Broadleaf Weeds**

Annual morningglories only - see *Ipomoea* spp.
Entire Leaf Morningglory *Ipomoea hederacea integriuscula*
Ivy Leaf Morningglory *Ipomoea hederacea*
Pitted Morningglory *Ipomoea ipola & I. lacunosa*
Carpetweed *Mollugo verticillata*
Chickweed, Common *Stellaria media*
Cocklebur, Common *Xanthium strumarium*
Dayflower, Common *Commelina communis*
Dog Fennel (Mayweed Chamomile) *Anthemis cotula*
Fiddleneck, Coast *Amsinckia intermedia*
Florida beggarweed *Desmodium tortuosum*
Florida pusley (Florida Purslane) *Richardia scabra*
Groundsel, Common *Senecio vulgaris*
Knawel *Scleranthus annuus*
Kochia *Kochia scoparia* (for best results tankmix with another burndown herbicide)
Lambsquarters *Chenopodium album*
Mustard, Tumble *Sisymbrium altissimum*
Mustard, Blue *Chorispora tenella*
Mustard, Wallflower (Treacle) *Erysimum cheiranthoides*
Nettleleaf Goosefoot *Chenopodium murale*
Pigweed, Prostrate *Amaranthus blitoides*
Pigweed, Redroot *Amaranthus retroflexus*
Pigweed, Smooth *Amaranthus hybridus*
Prickly lettuce *Lactuca serriola*
Prickly sida (Teaweed) *Sida spinosa*
Purslane, Common *Portulaca oleracea*
Ragweed Common *Ambrosia artemisiifolia*
Sesbania, Hemp *Sesbania herbacea*
Sicklepod *Senna obtusifolia*
Smartweed, Pennsylvania *Polygonum pensylvanicum*
Velvetleaf (Buttonweed) *Abutilon theophrasti*
Wild Buckwheat *Polygonum convolvulus*

**Grasses**

Barnyardgrass (Watergrass) *Echinochloa crus-galli*
Broadleaf Signalgrass *Urochloa platyphylla*
Canarygrass *Phalaris canariensis*
Crabgrass, Large *Digitaria sanguinalis*
Fall Panicum *Panicum dichotomiflorum*
Green Foxtail *Setaria viridis*
Yellow Foxtail *Setaria glauca*
Goosegrass *Eleusine indica*
Rattail Fescue *Vulpia myuros*
Ryegrass, Annual (Italian) *Lolium multiflorum*
Texas Panicum *Panicum texanum*

Results of postemergence treatment of emerged weeds vary with rate applied and environmental conditions. Best results are obtained on succulent weeds growing under conditions of high humidity and temperatures of 70°F or higher. Addition of a surfactant to the spray (where recommended) increases contact effects of **Synex 4 L.** Postemergence application can also provide control of emerging susceptible weed seedlings.



## TANK MIXING

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

**Synex 4 L** is frequently used in tank mix combination with other registered herbicides to provide effective broad spectrum control of weeds. **Synex 4 L** may be tank mixed or followed with sequential applications of other products registered for the same crops as **Synex 4 L.** Applications of full or reduced rates of other products may be tank mixed with **Synex 4 L** , provided:

- the tank mix product is labeled for the same timing, method of application, adjuvants and use restrictions as **Synex 4 L.**
- the tank mixture is not specifically prohibited on the label of the tank mix product.
- the tank mix combination is compatible as determined by a 'jar test' described in the TANK MIX COMPATIBILITY TESTING section below.

When tank mixing **Synex 4 L** with any other approved pesticide, always read and follow all use directions, restrictions, and precautions of both **Synex 4 L** and the tank mix partner(s). When tank mixing, the most restrictive labeling applies.

## TANK MIX COMPATIBILITY TESTING

Perform a jar test prior to tank mixing to ensure compatibility of **Synex 4 L** to other pesticides. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture balls up, forms flakes, sludges, gels, oily films or layers, or other precipitates, it is not compatible, and the tank mix combination should not be used.

## REPLANTING:

If initial seeding fails to produce a crop, any crop registered for the rate of linuron that was applied may be replanted immediately. Thoroughly rework soil before replanting; do not retreat field with a second application as injury to the crop may result.

## CROP ROTATION DIRECTIONS:

***East of the Rocky Mountains***

- Any crop registered for the rate of linuron that was applied may be replanted immediately.
- Any crop may be planted after 4 months, except for cereals, where only barley, oats, rye, and wheat may be planted.
- Cereal crops not listed above may be planted after 12 months.


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***West of the Rocky Mountains***

- Any crop registered for the rate of linuron that was applied may be replanted immediately.
- Do not plant any other crop until 12 months after the last **Synex 4 L** application as crop injury may result.

**APPLICATION DIRECTIONS**

**Synex 4 L** must be used only in accordance with directions on this label. Injury to or loss of desirable trees or other plants may result from failure to observe the following restrictions:

**RESTRICTIONS**

Do not apply by air.
Do not apply to sand or loamy sand.
Do not use on soils with less than 1% organic matter.
Do not apply using handheld equipment. All applications with handheld equipment are prohibited.

**GROUND APPLICATION:** Use a fixed-boom power sprayer calibrated to a constant speed and rate of delivery. Openings in screens should be equal to or larger than 50 mesh. Continuous agitation in the spray tank is required to keep the material in suspension. Agitate by hydraulic means. If a by-pass or return line is used it should terminate at the bottom of the tank to minimize foaming. Avoid overlapping of spray swaths and shut off spray booms while starting, turning, slowing or stopping or injury to the crop may result.

For preemergence application, use a minimum of 15 gallons of water per acre. For postemergence application, use sufficient volume of water (minimum of 25 gallons per acre) for thorough coverage of weed foliage. Always apply in a manner and under conditions favorable to avoid spray drift.

**CLEANING:** Equipment should be cleaned of all traces of **Synex 4 L** immediately after use. Nozzle tips and screens should be removed and cleaned separately. Flush tank, pump, hoses and boom with several changes of water.

Draining or flushing equipment on or near desirable trees or other plants or in areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots may injure these plants.
**Synex 4 L** should not be used on home plantings of trees, shrubs or herbaceous plants, lawns, walks, driveways, tennis courts or similar areas. Keep drift of dry powder or spray from desirable plants.

**SPRAY PREPARATION:** Mix proper amount of **Synex 4 L** into necessary volume of water; for preemergence applications, non-pressure nitrogen solution may be substituted for all or part of the water. Where use of surfactant is recommended dilute with 10 parts of water and add as last ingredient to nearly full tank. All dosages of **Synex 4 L** (and tank mixtures) are expressed as broadcast rates; for band treatment, use proportionately less. For example, use 1/3 of the broadcast rate when treating a 14-inch band where row spacing is 42 inches. Where range of dosages is given, use the lower rate on lighter soil (low in clay or organic matter) and the higher rate on heavier soils (high in clay or organic matter). **Synex 4 L** may be used under the following conditions but the chance of crop injury is increased:

1. Applying at the upper level of the rate range
2. Applying at or near plant emergence
3. Applying to soils low in organic matter.

For postemergence application use the lower rate on smaller weeds and the higher rate on larger weeds.

**FERTILIZER SPRAY MIXTURES:** For preemergence application, nonpressurized nitrogen or fertilizer solution may be used in the spray mixture unless otherwise directed. Small quantities should be tested for compatibility by the following procedure before full scale mixing.

1. Measure one pint of intended spray water or fertilizer solution into a jar.
2. Add in the order given, the intended ingredients, shaking after each addition.

a) Surfactants (spreaders), acidifiers, compatibility agents and activators: add 1 teaspoon for each pint/100 gallons.
b) Dry ingredients (wettable powders, dry flowables): add 1 tablespoon for each pound/100 gallons.
c) Soluble ingredients: add 1 tablespoon for each pound/100 gallons.
d) Flowables: add 1 teaspoon for each pint/100 gallons.
e) Spreaders/stickers: add 1 teaspoon for each pint/100 gallons.

3. The final mixture should be uniform and smooth with no evidence of coagulation occurring. If incompatibility is evident, begin test again with a compatibility agent added first. Six drops is equivalent to four ounces per 100 gallons. If this does not smooth the mixture, try higher concentrations or other compatibility agents.
4. Allow the mixture to stand undisturbed 30 minutes. If separation occurs, shake and observe the resulting mixture. If mixture is smooth proceed with spraying, provided the tank has good agitation. If mixture is not smooth do not spray. You may try:

a) more compatibility agents.
b) different formulations of the active ingredients (switch from WP or EC to flowable or from WP to EC).
c) change active ingredients; some combinations will not tank mix.

## CHEMIGATION INSTRUCTIONS

Apply this product only through one or more of the following types of systems: sprinkler including center pivot, lateral move, end row, side (wheel) roll, traveler, big gun, solid set or hand move irrigation system(s). Do not apply this product through any other type of irrigation system.

Crop injury or lack of effectiveness or illegal pesticide residues in the crop can result from the non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.




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## CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Public water systems means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into the reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional, interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

When mixing, fill nurse tank half full with water. Add **Synex 4 L** slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Stickers, spreaders, insecticides, nutrients, etc. should be added last. If compatibility is in question, use the compatibility jar test before mixing a whole tank. Because of the wide variety of possible combinations which can be encountered, observe all precautions and limitations on the label of all products used in mixtures.

**Synex 4 L** should be added through a traveling irrigation system continuously or at the last 30 minutes of solid set or hand moved irrigation systems. Agitation is recommended. Shut off injection equipment after treatment and continue to operate irrigation system until **Synex 4 L** has been cleared from the last sprinkler head.

## SPRINKLER CHEMIGATION

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.
When mixing, fill nurse tank half full with water. Add **Synex 4 L** slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Stickers, spreaders, insecticides, nutrients, etc. should be added last. If compatibility is in question, use the compatibility jar test before mixing a whole tank. Because of the wide variety of possible combinations which can be encountered, observe all precautions and limitations on the label of all products used in mixtures.

**Synex 4 L** should be added through a traveling irrigation system continuously or at the last 30 minutes of solid set or hand moved irrigation systems. Agitation is recommended. Shut off injection equipment after treatment and continue to operate irrigation system until **Synex 4 L** has been cleared from the last sprinkler head.



## LABELED USES

### BULB

**Tulip, Calla Lily, Daffodil, Dutch Iris (California)**

**RESTRICTIONS:**

- Do not apply more than 2 pints (1 lb. ai) per acre per application.
- Do not apply more than 2 pints (1 lb. ai) per acre per year.
- Do not make more than 2 applications per year.
- The minimum number of days between applications is 30.

After planting bulbs, settle the soil with sprinkler irrigation (rainfall will serve the same purpose). Before emergence of plants (bulbs) apply 2 pints (1 lb. ai) **Synex 4 L** per acre in a minimum of 20 gallons of water per acre. Treat only during growing season.



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## CORN (FIELD)
**East of Rocky Mountains Only**

**RESTRICTIONS:**
- Do not apply more than 1.5 pints (0.75 lb. ai) per acre per application.
- Do not apply more than 1.5 pints (0.75 lb. ai) per acre per year.
- Do not make more than 2 applications per year.
- The minimum number of days between applications is 30.
- Do not apply within 57 days of harvest. Do not spray over top of emerged corn.

**Preemergence Application:** Make a single application after planting but before crop emerges. Plant seed at least 1.75 inches deep on flat or raised seedbeds only or injury to the crop may result.

Use **Synex 4 L** alone at 1 to 1.5 pts. (0.5 – 0.75 lb. ai) per acre. Use lower rates on lighter soils and higher rates on heavier soils. For improved grass and broadleaf weed residual, tank mix **Synex 4 L** with such products registered for field corn as atrazine, pendimethalin, or S-metolachlor. See the table below for listed tank mix rates for **Synex 4 L** and atrazine.

**Synex 4 L + Atrazine:**

**Rate Per Acre**

| SOIL TEXTURE | 1-2% ORGANIC MATTER PTS<br>SYNEX 4 L (PTS) + ATRAZINE (LB AI) | 2-5% ORGANIC MATTER PTS<br>SYNEX 4 L (PTS) + ATRAZINE (LB AI) |
|---|---|---|
| **Coarse: Sandy loam** | 0.67 to 1<br>(0.34 – 0.5 lb. ai)<br>+<br>LABELED RATE | 1 to 1.5<br>(0.5 – 0.75 lb. ai)<br>+<br>LABELED RATE |
| **Medium: Loam, Silt Loam, Silt, Sandy Clay Loam** | 1 to 1.5<br>(0.5 – 0.75 lb. ai)<br>+<br>LABELED RATE | 1.5<br>(0.75 lb. ai)<br>+<br>LABELED RATE |
| **Fine: Silty Clay, Silty Clay Loam, Clay, Clay Loam** | 1.33 to 1.5<br>(0.67 – 0.75 lb. ai)<br>+<br>LABELED RATE | 1.5<br>(0.75 lb. ai)<br>+<br>LABELED RATE |

**Directed Postemergence Application:** Make a single application as a directed spray after corn is at least 15 inches high (measured to the highest leaf surface on free standing plants). Do not spray over top of corn. Apply only when there is sufficient differential between height of corn and weeds so that the directed spray thoroughly covers all weed foliage without contact of upper leaves or whorl of corn by spray or drift, as such contact may cause crop injury. Early cultivation (rotary hoe or other suitable equipment) will aid in achieving proper differential between height of corn and weeds.

Use 1.25 to 1.5 pints (0.625 – 0.75 lb. ai) per acre; add 1 pint of surfactant for each 25 gallons of spray mixture. Non-pressure nitrogen solution may be substituted for all or part of the water. Use the lower rate on lighter soils (low in clay or organic matter) and when weeds do not exceed 2 inches in height; use the higher rate on heavier soils (high in clay or organic matter) for weeds up to 5 inches in height.



## COTTON
**East of Rocky Mountains**

**RESTRICTIONS:**
- Do not spray over top of cotton.
- Do not apply more than 1.5 pints (0.75 lb. ai) per acre per application.
- Do not apply more than 1.5 pints (0.75 lb. ai) per acre per year.
- Do not make more than 1 application per year.
- Do not apply within 76 days of harvest.
- Do not use on Pima varieties of cotton.

**Directed Postemergence Application:** Apply as a directed spray, adjust nozzles to minimize contact to cotton leaves with spray or drift as crop injury may result. Make first application of 1 pt (0.5 lb. ai) per acre when cotton is at least 12 inches tall. Use 1 to 1.5 pints (0.5 – 0.75 lb. ai) per acre when cotton is at least 18 inches tall and emerged weeds do not exceed 2 inches in height. Add 1 pint surfactant for each 25 gallons spray mixture. Alternatively, after cotton is 20 inches tall, make a single application of 1.5 pints (0.75 lb. ai) per acre following last cultivation; if emerged weeds are present, add surfactant as directed above.



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## HYBRID POPLAR
**Midwest**

**RESTRICTIONS:**
- Do not apply more than 3 pints (1.5 lbs. ai) per acre per application.
- Do not apply more than 3 pints (1.5 lbs. ai) per acre per year.
- Do not make more than 2 applications per year.
- The minimum number of days between applications is 30.
- Do not apply this product to hybrid poplar through any type of irrigation system.

Apply 2 to 3 pints (1 - 1.5 lbs. ai) **Synex 4 L** per acre before bud break in the spring. For application after bud break, apply 2 to 3 pints (1 – 1.5 lbs. ai) **Synex 4 L** per acre as a directed spray. Spray should be directed to weed growth and to avoid contact with the poplar plant. Do not spray over the top of the poplar as injury to the plant will result.

Use the lower rate on light soils and higher rate on heavier soils. For best results on emerged weeds, treat at the seedling stage.

## PARSNIP

**RESTRICTIONS:**
- Do not apply more than 3 pints (1.5 lbs. ai) per acre per application.
- Do not apply more than 3 pints (1.5 lbs. ai) per acre per year.
- Do not make more than 1 application per year.
- Do not apply this product to parsnip through any type of irrigation system.

**Preemergence Application:** Make a single application of 1.5 to 3 pts. (0.75 – 1.5 lbs. ai) per acre. Apply after planting but before crop emerges. Plant seed at least 0.5 inches deep.

## POTATO

**RESTRICTIONS:**
- Not for use in California, Southern Arizona or New Mexico.
- Do not spray over top of emerged potatoes.
- Do not apply more than 3 pints (1.5 lbs. ai) per acre per application.
- Do not apply more than 3 pints (1.5 lbs. ai) per acre per year.
- Do not make more than 1 application per year.

**East of Rocky Mountains:** Apply 1.5 to 2.5 pts. (0.75 – 1.25 lbs. ai) per acre on the lighter soils (sandy loams, silt loams; 1 to 2% organic matter) and 2.5 to 3 pts. (1.25 – 1.5 lbs. ai) per acre on heavier soils (silts, clay loams; 2 to 5% organic matter). On soils over 5% organic matter, use 3 pts. (1.5 lbs. ai) per acre to emerged weeds (before potatoes emerge). For improved annual grass and nutsedge control, see table below for listed tank mixes with S-metolachlor.

**West of Rocky Mountains:** Apply 1.0 to 1.25 pints (0.5 – 0.625 lbs. ai) per acre on sandy loams; apply 1.0 to 1.5 pints (0.5 – 0.75 lbs. ai) per acre on medium texture soils (loam, silt loam, silt, sandy clay and sandy clay loam). Use lower rates on soils with low organic matter. For improved annual grass and nutsedge control, **Synex 4 L** may be tank mixed with other herbicides registered for use in this crop. When tank mixing, use the most restrictive label limitations for each of the products being used in the tank mix. For example, see table below for listed tank mixes with S-metolachlor.



**Preemergence Application:** Make a single application as a broadcast spray after planting but before crop emerges. Plant seed at least 2 inches deep. If beds are to be dragged and/or hilled, apply after the final dragging or hilling operation. Apply before grasses are 2 inches tall and before broadleaf weeds are 6 inches tall, preferably just before or when weed seedlings emerge. If emerged weeds are present, add 1 pt. surfactant for each 25 gals. spray mixture.

In irrigated areas, best results are obtained when application is made to moist soil, followed within 2 weeks by 1 to 2 inches of sprinkler irrigation (or rainfall). On powder dry soils, irrigate prior to herbicide application and follow with sprinkler irrigation to activate the herbicide.

**Synex 4 L + S-Metolachlor**

| SOIL TEXTURE | 1-3% ORGANIC MATTER<br>SYNEX 4 L (PTS) + S-METOLACHLOR (LB. AI) | 3-5% ORGANIC MATTER<br>Synex 4 L (PTS) + S-METOLACHLOR (LB. AI) |
|---|---|---|
| **Coarse: Sandy loam** | 1 to 1.5<br>(0.5 – 0.75 lb. ai)<br>+<br>LABELED RATE | 1.5 to 2<br>(0.75 – 1 lb. ai)<br>+<br>LABELED RATE |
| **Medium: Loam, Silt Loam, Silt, Sandy Clay Loam** | 1 to 1.5<br>(0.5 – 0.75 lb. ai)<br>+<br>LABELED RATE | 1.5<br>(0.75 lb. ai)<br>+<br>LABELED RATE |
| **Fine: Silty Clay, Silty Clay Loam, Clay, Clay Loam** | 1.5 to 2<br>(0.75 – 1 lb. ai)<br>+<br>LABELED RATE | 2 to 2.5<br>(1 – 1.25 lb. ai)<br>+<br>LABELED RATE |



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## SORGHUM

**RESTRICTIONS:**

- Do not apply over top of emerged sorghum.
- Do not apply more than 2 pints (1 lb. ai) per acre per application.
- Do not apply more than 2 pints (1 lb. ai) per acre per year.
- Do not make more than 2 applications per year.
- The minimum number of days between applications is 30.
- Do not apply 75 days within harvest.
- Do not graze or feed plants to livestock within 3 months after direct postemergence application.

**Preemergence Application**

Select a registered herbicide treatment for application as a tank mixture. Make a single application after planting but before crop emerges. In soil with 1 to 2% organic matter, apply 0.625 to 1.25 pints (0.313 – 0.625 lb. ai) per acre on sandy loam and 1 to 1.5 pints (0.5 – 0.75 lb. ai) per acre on loam, silt loam, silt, sandy clay or sandy clay loam. In soil with 2 to 4% organic matter, apply 1 to 1.5 pints (0.5– 0.75 lb. ai) per acre on sandy loam and 1 to 2 pints (0.5 – 1 lb. ai) per acre on loam, silt loam, silt, sandy clay or sandy clay loam. Plant seed at least 1 inch deep on flat or raised seedbeds only as injury to the crop may result.

**Directed Postemergence Application:**

Make a single application of **Synex 4 L** as a directed spray; add 1 pint surfactant for each 25 gallons spray mixture. If sprayer is equipped with skids, shoes or shields, apply 1 pint (0.5 lb. ai) per acre when sorghum is 12 inches tall (free standing plants) and weeds are up to 2 inches in height; use 1 to 2 pints (0.5 – 1 lb. ai) per acre when sorghum is 15 inches tall and weeds are 2 to 4 inches in height. Apply only when there is sufficient differential between height of sorghum and weeds so that the directed spray thoroughly covers all weed foliage without contact of upper leaves or whorl of sorghum by spray or drift as such contact may cause crop injury.

## SOYBEAN

**RESTRICTIONS:**

- Do not apply more than 1.6 pints (0.8 lb. ai) per acre per application.
- Do not apply more than 1.6 pints (0.8 lb. ai) per acre per year.
- Do not make more than 1 application per year.
- Soybeans planted too shallow have increased potential for injury.
- Do not apply this product to soybeans through any type of irrigation system.
- Do not spray over the top of emerged soybeans.
- Do not feed treated forage or hay to livestock.

**Preemergence application- all tillage types**

Apply **Synex 4 L** prior to soybean emergence at the rates listed in Table 1. For improved control or for a broader spectrum of control, **Synex 4 L** may be tank mixed with such herbicides as S-metolachlor, metribuzin, thifensulfuron+chlorimuron, chlorimuron, pendimethalin, S-metolachlor + metribuzin, and flumioxazin+chloransulam-methyl.

For specific tank mix rate directions for **Synex 4 L** + Metribuzin, see Table 2.

**No-till or Minimum till**

***Timing***

Apply **Synex 4 L** up to 30 days prior to soybean planting. For maximum in-season residual control, apply no earlier than 14 days before planting.

***Adjuvants and tank mixes***

For burndown control (postemergence activity), addition of adjuvant is required.

- For best results, use 1 gallon crop oil concentrate per 100 gallons of spray.
- Alternatively, use 1 qt nonionic surfactant per 100 gallons of spray.
- To burndown larger than 2 inch grasses and 6 inch broadleaves, tank mix **Synex 4 L** with such herbicides as 2,4-D LVE, thifensulfuron+chlorimuron, glyphosate and/or paraquat. When tank-mixing **Synex 4 L** with glyphosate, substitute nonionic surfactant (1 qt per 100 gallons spray) for crop oil concentrate. Follow the glyphosate manufacturer's instructions for addition of ammonium sulfate.
- 1 pt (0.5 lb ai) **Synex 4 L** + 1 pt 2,4-D LVE + 1 gallon Crop oil concentrate per 100 gallons spray will burn down the following winter annual weeds (up to 6 inches in size) as well as the weeds included in "Postemergence Use" at the beginning of this label.

Wallflower, bushy *Erysimum repandum*
Chickweed, common *Stellaria media*
Chickweed, mouseear *Cerastium fontanum sp. vulgare*
Evening-Primrose cutleaf *Oenothera laciniata*
Deadnettle, red* *Lamium purpureum*
Henbit *Lamium amplexicoule*
Pennycress, field *Thlaspi arvence*
Purselane, common *Portulaca oleracea*
Shepherds-purse *Capsella bursa-pastoris*
Speedwell, corn *Veronica agrestis*
Speedwell, field *Veronica arvensis*
Aster, white heath *Symphyotrichum pilosum*
*suppression





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**Table 1. Preemergence rates of Synex 4 L for soybeans - all tillage types**
**Synex 4 L Pts. Per Acre**

| SOIL TEXTURE | 1-3% ORGANIC MATTER | 3-5% ORGANIC MATTER |
|---|---|---|
| **Coarse: Sandy loam** | 1 to 1.25<br>(0.5 – 0.625 lb. ai) | 1.25 to 1.6<br>(0.625 – 0.8 lb. ai) |
| **Medium: Loam, Silt Loam, Silt, Sandy Clay Loam** | 1 to 1.6<br>(0.5 – 0.8 lb. ai) | 1.5 – 1.6<br>(0.75 – 0.8 lb. ai) |
| **Fine: Silty Clay, Silty Clay Loam, Clay, Clay Loam** | 1.25 to 1.6<br>(0.625 – 0.8 lb. ai) | 1.6<br>(0.8 lb. ai) |

**Table 2. Tank mix of Synex 4 L + Metribuzin 75 DF***

| SOIL TEXTURE | 1-3% ORGANIC MATTER PTS<br>SYNEX 4 L + LBS METRIBUZIN | 3-5% ORGANIC MATTER PTS<br>SYNEX 4 L + LBS METRIBUZIN |
|---|---|---|
| **Coarse: Sandy loam** | 0.5<br>(0.25 lb. ai)<br>+<br>LABELED RATE | 0.5 to 0.75<br>(0.25 – 0.375 lb. ai)<br>+<br>LABELED RATE |
| **Medium: Loam, Silt Loam, Silt, Sandy Clay Loam** | 0.5 to 0.75<br>(0.25 – 0.375 lb. ai)<br>+<br>LABELED RATE | 0.5 to 1.5<br>(0.25 – 0.75 lb. ai)<br>+<br>LABELED RATE |
| **Fine: Silty Clay, Silty Clay Loam, Clay, Clay Loam** | 0.75 to 1.5<br>(0.375 – 0.75 lb. ai)<br>+<br>LABELED RATE | 1.5 to 1.6<br>(0.75 – 0.8 lb. ai)<br>+<br>LABELED RATE |

* read and follow all precautions and restrictions on the Metribuzin label, especially with respect to soybean varietal sensitivity and environmental conditions that may favor soybean injury from Metribuzin.

## WHEAT (WINTER)

**RESTRICTIONS:**

- Do not apply more than 2 pints (1 lb. ai) per acre per application.
- Do not apply more than 2 pints (1 lb. ai) per acre per year.
- Do not make more than 1 application per year.
- Do not apply this product to wheat through any type of irrigation system.
- Do not apply after wheat has reached the boot stage of maturity nor when maximum daily temperature exceeds 60°F.; do not use **Synex 4 L** in combination with other pesticides (except as noted), surfactants, or nitrogen solution after wheat has emerged.
- Do not treat wheat where winter climatic conditions have caused heaving of plants, or where plants are lacking in vigor due to poor emergence, insect damage, disease, high alkalinity, or other causes.



**(DRILL-PLANTED)**
**IDAHO, OREGON, WASHINGTON**
Plant seed at least 1 inch deep; when seed is planted during abnormally dry weather, treat after soil has been settled by rainfall or irrigation.

Apply as a broadcast spray prior to emergence of wheat or to semi-dormant wheat plants. Application to actively growing plants may result in temporary yellowing (chlorosis) of wheat.

Crop injury may result where severe winter stress, disease or insect damage follows application, and also from failure to observe correct planting depth and soil type restrictions.
**West of Cascade Range:** Make a single application of **Synex 4 L** at 2 pts. (1 lb. ai) per acre as soon as possible after planting. If wheat and weeds have emerged, apply before weeds are 3 inches to 4 inches tall.

***Where Average Annual Rainfall Exceeds 16 Inches***
**Fall Treatment:** For early fall-planted wheat (seeded before September 10), apply 1 to 1.5 pts. (0.5 – 0.75 lb. ai) **Synex 4 L** per acre either before or after wheat has emerged but before weeds are 2 inches tall. Treatment after October 1 generally gives best results. Do not apply after soil freezes in the fall.

**Spring Treatment:** Apply 1 to 1.25 pts. (0.5 – 0.625 lb. ai) **Synex 4 L** per acre as soon as wheat starts to grow in the spring. Application after weeds have reached a height of 2 inches may give poor results.

***Where Average Annual Rainfall is 10 to 16 Inches:***
**Fall or Winter Treatment:** After wheat is planted in the fall, apply 1 to 1.25 pts. (0.5 – 0.625 lb. ai) **Synex 4 L** per acre when sufficient moisture is available to germinate wheat seed. Apply either before
or after wheat has emerged, but before weeds are 2 inches tall and before the soil freezes. Application later than March 1 may give poor results.

***Where Average Rainfall is 10 to 20 Inches:***
**Fall or Spring Treatment:** Apply 0.5 pt. (0.25 lb. ai) **Synex 4 L** plus 0.25 lb. bromoxynil per acre as a tank mixture, either in the fall after wheat has emerged but before soil freezes or in the spring as soon as soil thaws; apply before weeds are 2 inches tall or across.



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# STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:**

**For plastic containers ≤ 5 gallons: Nonrefillable Container:** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

**For plastic containers > 5 gallons: Nonrefillable container:** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

## LIMITATION OF WARRANTY AND LIABILITY

**IMPORTANT: READ BEFORE USE.** Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS: The** directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES: To** the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.



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